

2017

(July)

EDUCATION

Course No: EDN C: 203

Educational Testing and Evaluation

Full Marks-75

Time-3 hours

Answer any **five** of the following

1. What is meant by educational objectives? Explain the taxonomy of educational objectives under Affective domain. 3+12=15
2. Explain the concept of Test and Measurement. Differentiate between summative and formative evaluation. 9+6=15
3. What is reliability co-efficient? Describe the procedure to determine reliability by applying test –retest & Kuder Richardson methods. 5+5+5=15
4. What is the significance of norms? Explain how the percentile and stanine score are used as development norms. 5+10=15
5. Define attitude. Explain the procedure of constructing an attitude scale by Likerts Method. Discuss its advantages and disadvantages. 3+7+5=15
6. Explain the construction of attitude scale by Thurston's method. How is it different from Likert scale. 10+5=15
7. In an administration of attitude scale the obtained score are given in a grouped form. Find out the normality of distribution by applying Chi-square test of goodness fit. 15

c.I	f
40-44	1
35-39	2
30-34	3
25-29	0
20-24	7
15-19	0
10-14	2
5-9	1
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N-16	

(PTO)

8. (a) What are the assumptions of analysis of variance (ANOVA)?

(b) The following data were collected from three groups of students of class-X undergoing different vocational training programmes. Each group consists of 8 students. The scores obtained on a performance test were recorded as follows-

Group 1	Group2	Group 3
3	4	5
5	5	2
3	3	4
1	4	6
7	9	5
3	5	1
6	5	7
5	4	3

Apply F test and find out if there is any significant difference between the three different training programmes.

5+10=15

9. Write short notes on any **two** of the following:-

$7\frac{1}{2} + 7\frac{1}{2} = 15$

- Question bank
- Relationship between reliability and validity
- Blue print of an achievement test
- Z-score and T score